INDEX TO VOLUME 6: JANUARY TO DECEMBER 1990

Issue	Page numbers	Issue	Page numbers	Issue	Page numbers	Issue	Page numbers
January	1–64	April	201–272	July	417–480	October	617–688
February	65–128	May	273–344	August	481–544	November	689–768
March	129–200	June	345–416	September	545–616	December	769–832

Advanced materials for the nineties, (C), 742
Aerospace
  Metal laminates for aerospace applications, 493
  Analysis of failures in aircraft structures, 496
  Infrared monitoring at Westland Helicopters, 150
  Rapidly solidified aluminium alloys for aerospace, 504
  Titanium aluminides for advanced aircraft engines, 509
Aluminium
  New concept in aluminium recycling, 562
  Technical developments spur use of aluminium in automotive radiators, 37
  Rapidly solidified aluminium alloys for aerospace, 504
Automation & control
  Automated NDT for manufacturing industry, 636
  Automatic identification in quality and process improvement, 632
  From LR to PC – recent developments in furnace control systems, 653
  Improved thermocouple sensors, 651
  Knowledge based control of materials processing, 642
  Mass spectrometry in process monitoring and control, 647
Automotive materials
  Ceramic applications in reciprocating engines, 14
  Engineering thermoplastics – the next step in automotive evolution, 31
  Recent developments in automotive steels, 21
  Technical developments spur use of aluminium in automotive radiators, 37
Ceramics
  Ceramic applications in reciprocating engines, 14
  Ceramic armour, 487
  Engineering ceramics for aggressive environments, 207
  Injection moulding of ceramics, 367
Chartered engineers, Improving the status of, 102
Composite materials
  Metal laminates for aerospace applications, 493
  Nondestructive evaluation of composite materials, 135
  Semi-solid processing of alloys and composites (C), 444
  T&N technology-keeping ahead in advanced materials (P), 42
Copper
  Cast copper–nickel–chromium alloy for naval service, Development of, 783
  Copper in communication, 428
  European copper standards, 310
Corrosion protection of offshore structures, 792
Design Engineering Show 90, (E), 655
Design for the environment (C), 442
Diamond-like carbon – properties and applications, 695
Deutsche Gesellschaft fur Materialkunde, (P), 732
The EC BRITE/EURAM programme, 726
Education
  Building partnerships in education, 102
  Developing materials education with modern technology, 216
  Materials knowledge for engineers, 224
  School-industry links: a blueprint for actual practice, 384
  Why business should work with education, 211
  Languages for engineers, 228
  Materials education in schools, 234
Engineering education in Europe, 737
Environment
  Design for the environment (C), 442
  Energy and the environment: Europe's internal conflicts, 387
  New materials resources and the environment, 83
  Selecting materials with the environment in mind, 553
The European Federation of Corrosion, (P), 719
European Powder Metallurgy Association, (P), 717
European standards
  European copper standards, 310
  Progress towards European standards, 731
Failures, Analysis of in aircraft structures, 496
Friction stitching, 796
The Federation of European Materials Societies, (P), 734
The French Society of Metallurgy and Materials, (P), 740
Furnaces
  Development of furnace efficiency, 566
  Furnaces 90 preview, 93
Heat treatment
  Energy efficiency and environmental awareness in heat treatment – a review, 559
  Multiflow pressure quenching for distortion free hardening, 88
Historical metallurgy
  Iron's contribution to modern shipbuilding, 778
Hoogovens Groep BV – a major force in Europe, 725
Improving the status of Chartered Engineers, 102
Infutec exploits HIPping for compaction and diffusion bonding, 156
Injection moulding of ceramics, 367
The Institute for Advanced Materials, 721
Languages for business, 727
Magnet production, Advanced techniques for, 623
Marine Technology Directorate, (P), 787
Mass spectrometry in process monitoring and control, 647
Materials for design, (E), 170
Materials research in Sheffield (P), 431
Materials technology from nature, 7
The Materials Show preview, 304
Materials Testing '90 – selected preview, 159
The Materials world (book reviews), 445
Metal matrix composites
  Machining metal matrix composites, 73
  Metal matrix composites – property optimisation and applications (C), 99
  Metal matrix composites – ready for take-off?, 78
  Steel/ceramic MMCs for wear applications, 373
Metallography, Progress towards a standard, 140
Microstructure and mechanical processing (C), 513
Net shape forming by Thixomolding, 577
Nondestructive testing
  AFCM – a new NDT technique, 142
  Automated NDT for manufacturing industry, 636
  British National Committee for NDT (P), 17
  From science to technology-developments in NDT instrumentation, 152
  Infrared monitoring at Westland Helicopters, 150
  Nondestructive evaluation of composite materials, 135
Optical fibres and cables, Materials in, 799
Plastics
  Engineering thermoplastics – the next step in automotive evolution, 31
  Colourful plastics keep IT quiet, 441
  Recycling plastics, 559
Powder metallurgy
  Novel processing techniques for powder production, 281
  PM into the 1990s, 377
  Producing metal powders, 361
President, Profile, 352
Presidential Address, 353
Product liability, Focus on, 154
Recycling
  BIR – representing the recycling industry, 583
  New concept in aluminium recycling, 562
  Recycling plastics, 559
Scientific labour to the year 2000 (C), 238
Scientific data plotting packages – a review, 437
Steel and steelmaking
  ATS Paris steelmaking conference (C), 317
  Improved refractories for clean oxygen steelmaking, 290
  IOSC exhibition guide, 299
  Oxygen steelmaking congress – a preview, 297
  Recent developments in automotive steels, 21
  Steel in the world environment, 293
Surface engineering
  Frictec – first in friction surfacing technology (P), 582
  Friction surfacing for wear applications, 702
  Ion bombarder improves cutting tool life, 311
  Surface engineering innovations for defence, 512
Synchrotron radiation for materials science research, 708
Technology, the profitable exploitation of (C), 443
T&N technology-keeping ahead in advanced materials (P), 42
Thermocouple sensors, Improved, 651
Thermoforming – cost effective production of plastic components, 774
Titanium aluminides for advanced aircraft engines, 509

(C) Conference report, (E) Exhibition preview, (P) Profile

AUTHOR INDEX 1990

Andrews, RE, 796
Apelian, D, 642
Barnes, P, 708
Barton, D, 437
Beardsley, ME, 792
Bedford, GM, 582, 702
Blicblau, A, 216
Bousfield, B, 146
Brown, I, 787
Byfield, I, 632
Carnahan, RD, 577
Chadwick, GA, 73
Charles, D, 78
Chesney, P, 373
Chesnutt, JC, 509
Clarke, B, 135
Croker, M, 623
Dann, H, 566
Dasarathy, C, 21
Decker, RF, 577
Dunkley, J, 361
Edirisinghe, MJ, 367
Edwards, D, 653
Enke, K, 695
Evans, D, 290
Franks, J, 695
Furniss, CP, 651
Gilman, PS, 504
Goodwin, TJ, 21
Grundy, PJ, 422
Jones, A, 496
Jones, PN, 742
Kean, RL, 792
Lenel, UR, 553
Lugg, M, 142
Marsden, C, 211
McKechnie, R, 31
Mitchell, A, 774
Mitchell, JS, 796
Moffitt, TW, 559
Nicholas, P, 647
Nutting, J, 83
Parker, A, 14
Parrott, S, 207
Peel, CJ, 496
Powell, C, 783
Quin, J, 290
Reader, K, 636
Richardt, A, 695
Rickinsion, BA, 384
Sale, FR, 281
Savage, G, 487
Scholey, R, 293
Scott, M, 799
Segal, A, 428
Smith, DG, 553
Titchell, I, 562
Vincent, J, 7
Verbruggen, MLCE, 493
Walker, F, 778
Williams, JC, 509
Wolfe, S, 799
Woolf, L, 792